

VRUBEL, J.; VAVREJN, B.

Effect of repeated small doses of beta-irradiation on survival
of skin homotransplants. Cas. lek. cesk. 102 no. 46: 1272-1273
N'63.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel
prof.dr. B.Spacek, DrSc.

PREROVSKY, I.; VAVREJN, B.; LINHART, J.

The clearance of I^{131} from muscle and the subcutaneous space of the lower extremity as a function of body position. Physiol. Bohemoslov. 11 no.5:443-451 '62.

1. Institute of Cardiovascular Research, Institute for Clinical and Experimental Surgery, Prague,
(BLOOD CIRCULATION) (POSTURE) (LEG)
(MUSCLE) (SKIN) (CAPILLARIES)

VAVREJN, B. MUDr.

Radioactive isotopes in surgery. Rozhl. chir. 36 no.1:59-72 Jan 57.

1. Ustav klinicke a experimentalni chirurgie, Praha, reditel: Doc
MUDr B. Spacek Souborny referat Cast i, (Fysikalni Poznamky,
diagnostika.)

(ISOTOPES

use in surg., review (Cz))

(SURGERY, OPERATIVE,

use of isotopes, review (Cz))

FRONKOVÁ, K.; VAVREJN, B.; FRONEK, A.

I-131 uptake by the myocardium in patients after myocardial infarct. Cas.lek.cesk. 103 no.3:64-66 17 Ja'64.

1. Ustav klinické a experimentální chirurgie v Praze (reditel: prof.dr. B.Spacek, DrSc) a Ustav pro choroby oběhu krevního v Praze (reditel: prof.dr. J.Brod, DrSc.).

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MALEK, P.; VAVREJN, B.

A method for aimed dynamic function test of the lymphatic system
with the aid of Au-198. Cas.lsk.cesk.99 no.38:1212-1218 16 S'60.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, prednosta
prof.dr. Bohumil Spacek.
(GOLD radioactive)
(LYMPHATIC SYSTEM radiogr)

PREROVSKY, I.; LINHART, J.; DEJDAR, R.; SVEJCAR, J.; KRUML, J.; VAVREJN, B.

Research on the primary varicose veins and chronic venous insufficiency.
Rev. czech. med. 8 no.3:171-178 '62.

1. Institute for Cardiovascular Research, Prague-Krc; Director;
Academician K. Weber.
(VARICOSE VEINS) (VASCULAR DISEASES) (VEINS)

VAVREJN, Bohuslav, MUDr.

Training of Czechoslovak physicians in Soviet Union for
using radioisotopes. Jaderna energie 3 no.7:220-221
J1 '57

1. Ustav klinicke a experimentalni chirurgie, Praha.

*

CZECHOSLOVAKIA

VRUBEL, J.; VAVREJN, B.; Institute of Clinical and Experimental Surgery (Ustav Klinicke a Experimentalni Chirurgie) in Prague, Manager (Reditel) Professor Dr B. Spacek.

"The Effect of Repeated Small Doses of Radioactive Beta-Radiation on the Survival of Skin Homo-grafts."

Prague, Casopis Lekaru Ceskych, Vol 102, No 46, 1963, pp 1272 - 1273

Abstract: (Authors' English summary) Survival of skin homo- and autografts on rabbits ears after local effect of small doses of radioactive beta radiation was studied. Doses were 60 rep, 120 rep and 180 rep respectively within 6 days. It was found that the period of survival of homografts became shorter with the increasing dosis of radiation, while the autografts showed no macroscopic changes. 1 Table, 5 Western, 2 Czech references.

1/1

BROD, J.; HORNYCH, A.; VAVREJN, B.; PRAT, V.; KOSTKOVA, B.; DEJDAR, R.;
OPPELT, A.; CHARVAT, P.

Isotope renography in the diagnosis of chronic pyelonephritis.
Rev. Czech. med. 11 no.4:213-231 '65.

1. Institute of Cardiovascular Research, Prague (Director:
Prof. J. Brod, M.D., D.Sc.).

WIDIMSKY, J., Praha-Krc, Budejovicka 800; RUNCZIK, I.; VAVREJN, B.;
STANEK, V.

Determination of regional pulmonary perfusion using Xe133.
Cas. lek. Cesk. 104 no.42:1154-1158 22 0 '65.

1. Izotopove oddeleni Ustavu experimentalni a klinicke chirurgie
v Praze (reditel prof. dr. B. Spacek, DrSc) a Ustav pro choroby
obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.).

VAVREJN, J.; BEJCEK, Z.; HABERZETEL, V.; TOMAN, J.; ZIVNY, J.

Granuloma gangraenescens. Cesk. stomat. 65 no.2:115-119
Mr '65

1. I. sⁱ matologicka klinika fakulty vseobecneho lekarstvi
Karlov University v Praze (prednosta - prof. dr. J. Toman,
DrSc.).

VAVREJNOVA, D.

VAVREJNOVA, D. Use of iodine monochloride in analytic chemistry. III.
Determination of some organic compounds. In Russian. p. 192.
Vol. 21, No. 1., Feb. 1956. SPORNIK CHEKHOVATSKIKH
RABOT. COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS.
Praha, CZECHOSLOVAKIA.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6, NO 4, APRIL 1957

VAVRENOVA, D. ; CTHALIK, J.

Use of iodine chloride in analytical chemistry. I. Determination of iodides,
thiosulfates, sulfates, and farrocyanides. P.693

CHEMICKE LISTY (Ceskoslovenska akademie ved. Ceskaslovenska spolecnost
chemicka) Praha, Czechoslovakia. Vol. 49, no. 5, May 1955

Monthly List of East European Accessions (EEAI) EC, Vol. 9/ 1960
no. 1, Jan
Uncl.

VAVREJ NOVA; D.

Use of iodine chloride in analytical chem-
istry. Part II. Determination of some organic com-
pounds. J. Pol. Chem. Soc., 1955
U.S.S.R., Prague, Sov. Akad. Chem. Sci., 1955
48 (5), 1118-1184. Conditions for the potentiom-
etric titration of quinol and p-

metro and visual determination of quinol and p-
metro. By means of ICl have been
determined quinol can be titrated with
NaHCO₃, with the same
conditions as with NaOH.

I is determined
potentiometric determination of G. GLASER

GEJDOS, Vlastimil, CSc; VAVREJNOVA, Marie, CSc.

Utilization of balance sheets between the branches in the
planning practice. Podn org 17 no.9:389-392 S'63

1. Vyzkumny ustav narodohospodarskeho planovani.

VAVREČINOVÁ, DRAHOŠIT

One of iodine chloride in analytical chemistry. I.
Determination of halides, thiosulfates, sulfides, and ferro-
cyanides. Jaroslav Chalk and Drahotit Vavrečinová.
(Karlov Univ., Prague). Chem. Listy 49: 503-51 (1955).
Volumetric soln. of 0.1N ICl was prepared as follows: Dissolve 11.07 g. KI in 50 ml. H₂O, add a soln. of 7.134 g. KIO₃ in 250 ml. H₂O and immediately 200 ml. concn. HCl (boiling, no free Cl nor Fe³⁺), and dil. to one l. The color of the soln. is light-orange, and the potential against the calomel electrode 750 m.v. The soln. was used for potentiometric titration of I⁻ even in the presence of excess Br⁻ or Cl⁻ for the detn. of S₂O₃²⁻, indirect detn. of SO₃²⁻ (by titrating excess ICl with AsO₃³⁻), and for potentiometric titration of Fe(CN)₆⁴⁻. M. Hudlický

Cardiovascular Diseases

UDC 616.127-005.4-079.2

CZECHOSLOVAKIA

MALEK, P.; VAVREJN, B.; RATUSKY, J.; KOLC, J.; KRONRAD, L.; Institute of Clinical and Experimental Surgery (Ustav Klinicke a Experimentalni Chirurgie), Prague - Krc, Director (Reditel) Prof Dr B. SPACEK; Research Institute for Medical Application of Radio-isotopes (Vyzkumnny Ustav pro Vyuziti Radioizotopu v Lekarstvi), Prague, Director (Reditel) Dr B. VAVREJN; Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences (Ustav Organické Chemie a Biochemie CSAV), Prague, Director (Reditel) Member of Academy F. SORM; Institute of Nuclear Research (Ustav Jaderneho Vyzkumu) Rez near Prague, Director (Reditel) Dr V. SVAB.

"Further Advances in Topical Diagnosis of Ischemic Lesions of the Myocardium in Vivo." Prague, Casopis Lekaru Ceskych, Vol 105, No 47, 25 Nov 66, pp 1272 - 1278

Abstract /Authors' English summary modified/: For the diagnosis of ischemic lesions mercury derivatives of fluorescein line (Hg^{203} or Hg^{167}) are recommended. These derivatives have better RI and RII indexes (torn to normal muscle, torn muscle to blood)

VAVRENYUK, V.M.

New automation devices manufactured by the Tartu Instrument Plant.
(TIP) (MFA 1819)
Khol. tekhn. 42 no.4:7-11 JI-Ag '65.
1. Tartuskiy priborostroitel'nyy zavod.

24762-66 FMT(a)/FMT(m)/FMP(v)/FMP(-)/FMP(k)/FMP(h)/FMP(+) ^{WW/BM}
ACC NR: AP6015535 SOURCE CODE: UR/0066/65/000/004/0007/0011

AUTHOR: Vavrenyuk, V. M.

ORG: Tartu Instrument Building Plant (Tartuskiy priborostroitel'nyy zavod)

TITLE: New instruments for automation of the Tartu Instrument Plant

SOURCE: Kholodil'naya tekhnika, no. 4, 1965, 7-11

TOPIC TAGS: temperature control, refrigeration equipment, hydraulic resistance, refrigerant gas

ABSTRACT: A description is given of the technical characteristics of temperature controlling valves and pressure relays produced by the plant in 1964-65, some of which are still in testing. These include thermo-regulating valves designed for low temperature refrigeration units operating on freon-13; designed to pass 1,000 kcal/hr; valves designed for freon-12 apparatus with evaporators with great hydraulic resistance, productivity 4000 kcal/hr; valves designed for freon-22 apparatus, with boiling point of -80 to -50°C, productivity 1000 kcal/hr; valves for freon-22 apparatus operating at -50 to -10°C, productivity 1600 kcal/hr; freon-22 valves for large refrigeration units, productivities from 20,000 to 200,000 kcal/hr; ammonia thermoregulation valves, with productivity of 40,000 kcal/hr; and pressure relays, both low-pressure and high-pressure operating, designed for use where there is no explosion danger and where the atmosphere is non-corrosive. Orig. art. has: 3 figures and 1 table. [JPRS]

SUB CODE: 13 / SUBM DATE: none

UDC: 681.1/4-52

Card 1/1, 1/R

L 34826-66 EWT(m)/T/EWP(t)/ETI IJP(c) DS/JD
 ACC NR: AP6017607 (A) SOURCE CODE: UR/0364/66/002/002/0254/0258

AUTHOR: Marshakov, I. K.; Vigdorovich, V. I.; Vavresyuk, I. V.; Ugay, Ya. S. 60
 37

ORG: Voronezh State University (Voronezhskiy gosudarstvenny universitet) P

TITLE: Effect of electrolyte solution on phase transitions in intermetallic compounds

SOURCE: Elektrokhimiya, v. 2, no. 2, 1966, 254-258

TOPIC TAGS: intermetallic compound, electrolyte, phase transition, magnesium alloy, x-ray analysis

ABSTRACT: Various alloys are treated in a 0.1 N HCl solution for periods ranging from 10 minutes to 6 hours to study the effect of electrolyte solutions on phase transitions of intermetallic compounds. Chemical analysis was used for studying the soluble products of the interaction, while x-ray techniques were used for analyzing the insoluble products. An RKD camera was used with copper emission (λ_{Ka-1} , 1.537 Å). Exposure time was 5-6 hours. The following compounds were studied: MgZn, MgZn₂, Mg₂Cu, MgCu₂, Mg₂Sn, Mg₃Sb₂, In₂Bi and InBi. It was found that the intermetallic compounds MgZn and MgZn₂ dissolve uniformly, i. e. both components pass into solution in the same ratio in which they are present in the alloy. The dissolution of Mg₂Cu and MgCu₂ is selective--only the magnesium passes into solution, and the surface of the specimen is covered with a film which consists of metallic copper in the case of MgCu₂, and of a combin-

UDC: 541.13

Card 1/2

L 34826-66

ACC NR: AP6017607

ation of metallic copper and Mg_2Cu in case of Mg_2Cu . The formation of intermediate intermetallic compounds which are rich in the noble component may also be observed during dissolution of In_2Bi . Phase transitions with the formation of the noble component take place when Mg_2Sn and Mg_3Sb_2 are treated in hydrochloric acid, with the antimony passing into solution in quantities of 8-10% while the tin concentration in solution is only slightly less than its content in the alloy. The experimental data indicate that the formation of the new phase may be due to rearrangement of a surface layer with a defective crystal lattice, or to electrochemical reduction of the noble ions. Orig. art. has: 2 tables.

SUB CODE: 20, 11 / SUBM DATE: 19Feb65 / ORIG REF: 004 / OTH REF: 001

Card 2/2 f1

VAVREYN, V. [Vavrejn, V.]; PRSHEROVSKI, I. [Prerovsky, I.]; LINGART, I.
[Linhart, I.]

Tissue clearance in the varicose syndrome. Eksper. khir. no.3:
49-52 '62. (MIRA 15:7)

1. Iz Instituta klinicheskoy i eksperimental'noy khirurgii
(dir. - prof. Shpachek) i Instituta bolezney krovoobrashcheniya
(dir. - akad. K. Veber), Praga.

(VARIX) (IODINE-ISOTOPES)

VAVRICH, V.

" Tenth Convention of Czechoslovak Foundrymen," p. 313.
(Hutnické Listy, Vol.6, No.7, July 1951, Brno.)

SO: Monthly List of Russian Accessions, Vol.2, No.9
East European Library of Congress, September 1953, Unclassified.

VAVRICH, V.

"Entering the Last Year of Gottwald's Five Year Plan with a New Hutnik" p. 1.
(HUTNIK, Vol. 3, no. 1, Jan.1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

VAVRICKA, M.

Vavricka, M.

Taking samples of soil on our collective farms. p. (4) of cover.

Vol. 5, no. 10, May 1955
MECHANISACE ZEMEDILSTVI

SO: Monthly List of East European Accession,(EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

VAVRICKA, S.; KORTTA, J.

Determination of kinetic parameters of discharge reactions on
the ground of polarographic curves. Coll. Czech. Chem. 29 no.13:2551-
2555 (1964).

I. Institut fur physikalische Chemie, Karlsuniversitat, und
Polarographisches Institut, Tschechoslowakische Akademie der
Wissenschaften, Prague.

CZECHOSLOVAKIA

VAVRICKA, S; NEMEC, L; KORYTA, J.

1. Department of Physical Chemistry, Karlova University,
Prague; (for ?); 2. J. Heyrovsky Institute of Polarography,
Czechoslovak Academy of Sciences, Prague (for ?).

Prague, Collection of Czechoslovak Chemical Communications,
No 3, March 1966, pp 947-958

"The influence of adsorption of tetrabutylammonium ion
on the structure of the mercury-water interface."

VAVRIK E.

CZECHOSLOVAKIA/Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 27847

Author : Vavrik, E.

Inst : Not Given

Title : On Histogenesis of Cancer of Fallopian Tubes.

Orig Pub : Ceskosl. gynaekol., 1956, 21, No 4, 270

Abstract : No abstract.

Card : 1/1

JALUVKA, V.; VAVRIK, E.

Intra-partum rupture of the uterus and urinary bladder and abruptio
of the ureters. Bratisl. lek. listy 42 no.8:503-507 '62.

1. Z Gyn. porod. oddeleni OUNZ Vyskov, prednosti prim. MUDr. E. Vavrik.

(LABOR compl) (UTERUS wds & inj)
(BLADDER wds & inj)
(URETERS wds & inj)

JALUVKA, Vl.; VAVRIK, E.

Contribution to the treatment of puerperal mastitis. Cesk.
gyn. 28 no.3:192-195 Ap '63.

1. Gyn.-por. odd. OUNZ Vyskov, vedouci MUDr. E. Vavrik.
(MASTITIS) (PUERPERAL DISORDERS)
(CHLORTETRACYCLINE)

JALUVKA, V.; VAVRIK, E.

Purpose of examinations in the District office of public
health in Vyskov and evaluation of the results. Cesk. gynek.
28 no.9:639-642 N'63.

1. Gyn. - por. odd. OUNZ ve Vyskove, vedouci MUDr. E.Vavrik.

VAVRIK, E.

2/2	<p>Reitblatt, Reitblatt's Lecture List, Vol. 1, No. 5, 1962 (continued)</p> <p>Graduate Medical Training, Periodic: pp. 499-503 (English summary).</p> <p>7. "Résumé de l'enseignement universitaire et des séminaires de médecine à l'Université de Paris," by Dr. J. M. LALOUER, Professeur de Pathologie et Pathologie clinique au Collège de France (Institut d'enseignement et de recherche de la Faculté de Paris), Paris Health Institute, in <i>Reitblatt's Lecture List</i>, pp. 503-504, by Dr. V. VAVRIK, MD, pp. 503-507, English summary.</p> <p>8. "The Pathogenesis of Cerebral Hemorrhage," in <i>Review of the Pathophysiological Functioning (Pathophysiology) of the Human Nervous System</i>, by Professor J. FUCHS, MD, Academician, pp. 507-511.</p> <p>9. "From the Activities of the J. F. FUCHS' Central nervous system Society -- The First Regular Session of the Soviet Medical Society," by Doctor Dr. S. ZINOV, Science candidate, pp. 512-513.</p> <p>10. "The Sixth International Biochemical Congress (Last Biennial)," by Dr. M. BURAK, pp. 512-513.</p>
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VAVRIK, I.V.

Intragastric temperature in patients with chronic gastritis.
(MIRA 16:9)
Vrach. delo no.6:51-53'Je'63.

1. Kafedra obshchey khirurgii (zav. - prof. D.L.Rotenberg)
Ivano-Frankovskogo meditsinskogo instituta i Vtoraya
Ivano-Frankovskaya gorodskaya klinicheskaya bol'nitsa.
(STOMACH—INFLAMMATION) (BODY TEMPERATURE)

VAVRIK, I.V. (UkrSSR, Ivano-Frankovsk, ulitsa Sovetskaya, dom 46, kvar-tira 102)

Intragastric temperature in patients with peptic ulcer and cancer. Vop. onk. 9 no.8:14-18 '63 (MIRA 17:4)

1. Iz kafedry obshchey khirurgii (zav. - prof. D.L. Rotenberg) Ivano-Frankovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent G.A. Babenko) i 11-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach - P.A. Kozel'skiy).

VAVRIK, J.

"Ten years of technological progress in the CKD Stalingrad plant.
p. 65 (Elektrotechnicky Obzor. Vol. 47, no. 2, Feb. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) 1C, Vol. 7, No. 6, June 1958

VAVRIK, J.

VAVRIK, J. Calculation of the triangle side when two sides and the angle bound by them are given. p. 195.

Vol. 1, No. 10, Oct. 1956.
GEODETICKY A KARTOGRAFICKY OBZOR
SCIENCE
Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957/

VAVRIK, Jaroslav

New technology in the construction of railroad track lighting. Zel
dep tech 12 no.10: 277-278 '64.

LINHART, J.; PREROVSKY, I.; DEJDAR, R.; VAVRIK, M.; GRAFNETTER, D.; DONHER, L.

Functional and biochemical changes in ischaemic disease of the lower extremities. Rev. czech. med. 8 no.3:145-151 '62.

1. Institute for Cardiovascular Research, Prague; Director: Academician K. Weber Second Medical Clinic, Prague; Director: Prof. F. Herles.
(VASCULAR DISEASES)

SVERAK, Jaromir, VAVRIK, Milan

Importance of findings in the fundus oculi in hypertension. Cas.
lek.cesk. 98 no.44:1381-1385 30 0 '59.

1. Ocní klinika, prednosta prof. MUDr. Milos Klime, I. interní
klinika, prednosta prof. MUDr. Jan Rehor, lek. fak. KU v Hradci
Kralove.

(FUNDUS OCULI diag.)
(HYPERTENSION diag.)

PREROVSKY, J.; LINEHART, J.; DEJDAR, R.; VAVRIK, M.; GRAFNETTER, D.

Ischemic disease of the lower extremities in young adults
(thromboangiitis obliterans or atherosclerosis obliterans?).
Cas.lek.cesk.99 no.42:1339-1345 14 O '60.

1. Ustav pro choroby obehu krevniho v Praze, reditel prof.

MUDr. Kl. Weber.

(THROMBOANGIITIS OBLITERANS diag)
(ARTERIOSCLEROSIS diag)

CZECHOSLOVAKIA

VAVRIK, M.; Institute for Research in Vascular Diseases (Ustav pro choroby obehu krevniho), Prague.

"Antifibrinolytic Activity of Serum in Persons with Atherosclerosis."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 373.

Abstract: The original index AFLAS (ability of serum to lower fibrinolytic activity of plasma activated by streptokinase) in persons with atherosclerosis, persons of the same age without the disease, and young healthy women, independently of the cholesterolemia, the AFLAS index was consistently higher in men with atherosclerosis than in the other groups. Paper presented at the 15th Physiology Days, Olomouc, 27 May 65.

1/1

VAVRIK, Zh. M., kand. med. nauk (USSR, gor. Stanislav, ul. Franko, d.20, kv.3)

Electrocardiographic changes in connection with thyroid surgery.
Vest. khir. 82 no.6:54-57 Je '59 (MIRA 12:8)

1. Iz fakul'tetskoy kliniki (zav. - prof. E. A. Sakfel'd) Stanislavskogo meditsinskogo instituta.
(ELECTROCARDIOGRAPHY) (THYROID GLAND--SURGERY)

VAVRIK, Zh.M., kand.med.nauk

Intracapsular subtotal resection of the thyroid gland.
(MIR 11:11)
Khirurgija 34 no.10:83-86 0 '58

1. Iz fakul'tetakoy khirurgicheskoy kliniki (zav. - prof. E.A.
Sakfel'd) Stanislavskogo meditsinskogo instituta (dir. kandidat
meditsinskikh nauk G.A. Babenko),
(THYROID GLAND--SURGERY)

VAVRIK, Zh.M.

Conference on the oxygen starvation and respiratory properties of
blood. Fiziol. zhur. [Ukr.] 9 no.6:833 N-D '63.
(MIRA 17:8)

SEDLACEK, B.A.J.; VAVRIKOVA, J.; ZVOLANKOVA, K.

Problems of excessive heating of fats in communal catering. Cesk.
hyg. 10 no.1&18-26 F '65.

1. Ustav pro vyzkum vyzivy lidu, Praha.

1. NAME, OR VAVRIKOVA, JI VAVRIKOVA, Z.

Institute for Nutritional Research (Instav z pro vyzkumu
vysady lidu), Prague (for all)

2. TITLE, NUTRITIONAL RESEARCH, NO 1, 1986, p. 10-11

"RUNNING OF XEROPHIC SODIUM AND POTASSIUM
SALT INJURIES."

VAVRIN, Frantisek, prof., inz., dr; TOMEK, Jiri, inz., ScG.

Raw materials for light outer walls of panel constructions.
Poz stavby 11 no. 5:237-238 '63.

1. Vysoka učení technické, Brno (for Vavrin). 2. Výzkumný
ustav stavební, Gottwaldov (for Tomek).

Z/017/63/052/004/002/002
E140/E135

AUTHOR: Vavřín Jiří, Engineer

TITLE: Simple solution of control circuits with one to four delay elements

PERIODICAL: Elektrotechnický obzor, v.52, no.4, 1963, 191-196

TEXT: To avoid the solution of high-order linear differential equations, while retaining the generality of analytical methods as compared to graphical, the author proposes to apply the root-locus method of analysis analytically. The order of the equation whose roots are to be found is reduced by a factor of two. Thus a system containing up to four delay elements is solved by two quadratic equations. An example is given of a system of fourth degree with derivative and integration elements and multiple feedbacks (Fig.13). The article concludes with some brief remarks on approximations which can be made, to permit still higher-order systems to be handled directly by the equations derived here. There are 15 figures.

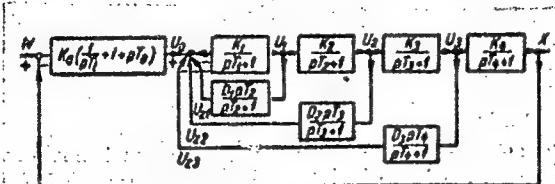
ASSOCIATION: Závody průmyslové automatizace, závod Smíchov
Card 1/2 (Industrial Automation Plants, Smichov works)

SUBMITTED: November 13, 1961

Simple solution of control ...

Z/017/63/052/004/002/002
E140/E135

Fig.13



Card 2/2

L 04955-67 EMP(v)/EMP(k)/EMP(h)/EMP(l)

ACC NR: AP6022435 (4) SOURCE CODE: CZ/0078/66/000/003/0013/0013

45

AUTHOR: Vavrin, Jiri (Engineer; Prague); Fabian, Liboslav (Engineer; Prague);
Vorel, Zdenek (Prague)

ORG: none

TITLE: Reversible automatic and manual control switching circuit. CZ Pat.
No. PV 3742-64, Class 21

TOPIC TAGS: automatic control design, switching circuit, magnetic amplifier

ABSTRACT: An electronic network for shifting from automatic control to manual and vice versa has been introduced. It incorporates a magnetic d-c output amplifier applied to the manual control system, a balancing circuit with a three-way switch, a preamplifier that feeds the output magnetic amplifier, and a controllable d-c power source with output diodes or a high resistance. The network operates under three possible settings: 1) the d-c output of the output magnetic amplifier is connected to the controlled system, for instance to the excitation winding of a synchronous alternator; 2) the output magnetic amplifier is parallel-coupled with the controllable d-c power source and both elements are linked to the controlled

Card 1/2

L 04955-67

ACC NR: AP6022435

system; 3) only the d-c power source is applied to the controlled system. A milliammeter is attached to the final stage of the preamplifier. [Translation]

SUB CODE: 09/ SUBM DATE: 20Jun64/

Card 2/2 Rff

VAVRINA, Jindrich, inz.

Control of electric equipment; the new Czechoslovak standards
34 3800, 34 3801, 34 3810. Energetika Cz ll no.ll:565-566 N '61.

(Electric equipment)

VAVRIN, Jiri, inz.; HOVOTNY, Jiri, inz.

Calculation of wire wound resistors. Automatizace | no.10/165-167
0 '64.

1. Zavody prumyslove automatizaci, plant Oi, Kocira.

VAVRINA, Karel

Point contact rectifiers from lead telluride and selenide.
El tech obzor 51 no.10:533-534 O '62.

FABIAN, Liboslav, inz.; VAVRIN, Jiri, inz.; VOREL, Zdenek

Reversing heavy-duty amplifiers in control methods. Automati-
zace 6 no.12:297-301 D '63.

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chov.

FABIAN, Liboslav, inz.; VAVRIN, Jiri, inz.; VOREL Zdenek.

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1. Zavody prumyslove automatizace, n.p.

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Simple design of control systems with one to four retardation elements. El tech obzor 52 no.4:191-197 Ap '63.

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Zdislav Vavřík

✓ Alkyl ammonium selenites. Zdislav Vavřík (Masaryk Univ., Brno, Czech.). Publ. Jel. sci. Univ. Masaryk. 358, 201-7(1954) (German summary). — RNH_3SeO_4 , where $R = Me$, Et , Pr , iso- Pr , Bu , iso- Bu , Am , iso- Am , n-hexyl, n-heptyl, and capryl, were prepd. by the reaction of a soln. of dry SeO_2 in the appropriate anhyd. alc. with dry NH_3 , in the rigorous absence of atm. moisture, in the app. described. The white compds. were pptd. with anhydrous Et_2O , excess Et_2O was evapd., and the compds. were analyzed for NH_3 by distn. from NaOH soln. into 0.1*N* H_2SO_4 and titration, and for Se (gravimetrically by reduction with $NiH_2H_2SO_4$ or $NH_3OH \cdot HCl$). The compds. hydrolyze easily even with atm. H_2O , and decom. at temps. slightly higher than room temps. The deriva. of the lower alcs. are somewhat sol. in excess alc., unlike those of higher alcs.

H. Newcomer

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18 no.8:237-238 Ag '63.

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Effect of synovial fluid and the synovial membrane on an osteocartilaginous graft. Acta chir. orthop. traum. czech. 31 no.1:11-17 F '64.

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VAVRINA, Jiri

Contribution to the problem of anesthesia in orthopedic surgery. Sborn.ved.prac.lek.fak.Karlov.Univ. (Hrad.Kral.) 6
no.5:517-524 '63

1. Ortopedicka klinika; prednosta: prof.MUDr. J.Vavrda,
LFKU v Hradci Kralove.

*

THERMOCHEMISTRY

ACCESSION NR: AP5021062

CZ/0042/64/000/009/0533/0549

222208: Lengy, Vilas (Engineer); Veeripadam, Kavrine (Engineer)

TITLE: Research on a very economical arrangement of lightning arresters for
powerplants in Brazil's interior areas.

SOURCE: Elektrotechnicky casopis, no. 9, 1964, 538-549

TOPIC TAGS: electric protective equipment, lightning

The major Canadian and End-Use industries, and finally the oil areas are the subject of this paper.

against interphase surge as well as ground surge, and will also, however, on the basis of characteristic vector diagrams and are then compared with a very economical Czechoslovak arrangement consisting of six normal lightning arresters, three of which are intended for interphase protection. In this arrangement the residual voltage is increased by 15.5 percent; and the a-c ignition voltage, by 73 percent. In some specific cases, these drawbacks can be reduced significantly. Tests in the research program on protection for a-c power networks are described. The main results of Section I level are given. Only part has 8 figures, 5 formulas, 3 graphs and 1 table.

Card 1/2

L 60239-65

ACCESSION NR: AP5021062

ASSOCIATION: Ustav pro elektrotechniku CSAV, Prague (Electrical Engineering
Institute CSAV)

SUBMITTED: 25Jan64

ENCL: CO

SUB CODE: EE, ES

NO REF Sov: 000

OTHER: 009

JPRS

Card 2/2

CZECHOSLOVAKIA

VAVRINEC, J., MD.

Urological Ward of the Hospital (Urologicke oddeleni
nemocnice), Liberec

Prague, Prakticky lekar, No 18, 1963, pp 697-699
"Cystalgia."

VAVRINECZ, Gabor

An unconsidered source of error in calcium determination by
calcimeter. Cukor 11 no.9:228-230 S'58

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Ibid.:230

VAVRINECZ, Gabor

Errors in the determination of alpha amino acids by means of
copper complex. Cukor 11 no.3:73-81 Mr'58

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International correctional tables of refractometer. Cukor 14 no.6:
158-160 Je '61.

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Contribution to the problem of solubility of cane sugar. Pt.3.
Cukor 14 no. 3:61-65, 3 of cover Mr '61.

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Cukor 17 no. 2:37-38 F '64.

Sedimentation rate of sugar crystals in mother liquor. *Ibid.*:40-42.

VAVRINECZ, Gabor; VALKOVSKY, Elek

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floating sugar. Cukor 11 no. 2:27-31 F'58

VAVRINECZ, Gabor

Contribution to the problem of the solubility of cane sugar.
IV. Cukor 15 no.12:327-332 D '62.

FALVAI, Alfred; VAVRINECZ, Gabor; VUKOV, Konstantin

New documentation subject catalog for the sugar industry. Cukor
13 no.3:79-83 Mr '60.

1. "Cukoripar" szerkeszto bizottsagi tagja (for Vukov).

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Remark about an editorial board's article "Correct
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Newer results in refractometry. Zelml ipar 16 no.1:21-24 Ja '62.

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Air cooling of afterproduct pulp; remark about Antal Gyory's article.
Cukor 17 no. 7:209-211 Jl '64.

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Widening the classification system in sugar industry documentation.
Cukor 17 no.8:235-239 Ag '64.

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Exhaustibility determination of molasses. Pt. 2. Cukor 16 no.7:
191-197 Jl '63.

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techn. spoluprace KLUSONOVÁ, H.; STORKOVA, H.

Metabolism in obese subjects. Cesk. gastroenter. vyz. 16 no.3/4:230-237
Ap '62.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. J. Masek,
DrSc.

(DIET REDUCING)

KUHN, E.; VOJTECHOVSKY, M.; HORACKOVA, E.; VAVRINKOVA, H.

Contribution to the neural regulation of fat metabolism in man. Cesk.
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1. Ustav pro vyzkum lidu v Praze, reditel doc. MUDr. J. Masek, DrSc.
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(REFLEX CONDITIONED) (MENTAL DISORDERS) (LIPID METABOLISM)

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; VOKAC, V.

Effect of pancreatic lipase inhibition by chlortetracycline on fat digestion and absorption. Rev. Czech. med. 10 no.4:273-282 '64.

1. Institute of Human Nutrition, Prague (Director: Prof. J. Masek, M.D. D.Sc.) and Laboratory of Proteosynthesis, Prague (Director: Prof. J. Horejsi, M.D., D.Sc.).

KRONDL, A.; VAVRINKOVA, H.; VOKAC, V.; MICHALEC, C.; HROMADKOVA, V.

Effect of chlortetracycline on lipid metabolism, I.
Digestion of fats. Cas. lek. cesk. 103 no.43:1188-1192
23 O '64.

1. Ustav pro vyzkum vyzivy lidu v Praze, (reditel prof. dr.
J. Masek, DrSc.) Laborator pro proteosyntezu fakulty
vseobecneho lekarstvi Karlovy University v Praze, (vedouci
prof. dr. J. Horejsi, DrSc.).

KRONDL, A.; VAVRINKOVA, H.

Effect of chlortetracycline on lipid metabolism. II. Absorption
and excretion of lipids. Cas. lek. cesk. 103 no.44:1215-1219
30 O '64.

1. Ustav pro vyzkum vyzivy lidu v Praze, (reditel prof. dr.
J. Masek, DrSc.).

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; VOKAC, V.; PLACER, Z.; SKALA, I.

Digestion and absorption of fats. Cesk. gastroent. vyz. 16 no.3/4:
191-196 Ap '62.

1. Ustav pro vyzkum lidu v Praze, reditel doc. MUDr. J. Masek, DrSc.
(BILE) (GLYCERIDES) (CHLORTETRACYCLINE)
(NEOMYCIN) (DIGESTION) (LIPID METABOLISM)

PECHAR, J.; KUHN, E.; MOSINGER, B.; SEGOVA, E.; VAVRINKOVA, H.; HRONADKOVA, V.;
PETRASEK, R.

Effect of fat intake on tissue oxygen supply. Cesk. gastroent. vyz.
16 no.3/4:197-205 Ap '62.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. J. Masek,
DrSc.
(FATS) (NUTRITION) (TISSUE METABOLISM) (HEMOGLOBIN)

VAVRINKOVA, H.

(3)

SURNAME, Given Name

Country: Czechoslovakia

Academic Degrees: Not given

Affiliation: Human Nutrition Research Institute (Ustav pro Vyzkum Vyziva Lidu) Prague;
Director: Docent Josef MASEK, MD

Source: Prague, Ceskoslovenska Gastroenterologie, Vol XV, No 5, Aug 61, pp 371 377
and 378 391

Data: "Role of bile acid concentration in lipid metabolism. Part 1. Influence of
bovine bile and Tween 80 on fat absorption in man. Part 5. Lipid Excretion in
men Part 6. Summary and Conclusions."

KRCMEL, A.

VAVRINKOVA, H.

GPO 981643

Kurunkova, H.

....., Miron Karel

....., Czechoslovakia

Academic Degrees Dr

Affiliations Nutrition Research Institute (Ustav pro výzkum výživy LMÚ), Prague-Kro.
Director: docent J. Hrdlicka, MD.

Sources: Praga, Vnitřní Lékařství, No 4, Apr 61, pp 413-422

Title "Sensitivity Curves in Neuroses and Peptic Ulcer Cases."

Co-authors:

PETR, P. Nutrition Research Institute, Prague.

VOLK, Miloslav, H.

HANZEL, H.

KRIZEL, J.

L 16592-63
Pq-4 JD/GW

EWT(1)/EWP(q)/BDS AFPTC/ASD/ESD-3/APCC/SSD Pi-4/Po-4/
z/059/62/000/004/006/007

72

AUTHOR: Vavříková, Zdenka, Engineer
TITLE: Ground ozone measurements by Ehment's method
SOURCE: Letnany, Výzkumný a Zkušební Letecký Ústav. Zpravodaj VZLÚ,
no. 4, 1962, 35-37

TEXT: The article describes a new method of ground ozone determination. It is based on the reaction $O_3 + 2 KI + H_2O = I_2 + 2KOH + O_2$. The liberated iodine is titrated by $Na_2S_2O_3$ according to the well known methods. The present improvement is based on the fact of introducing the hyposulphite into the mixture at the beginning and back-titrating it after the measurement. The difference found corresponds to the reacted ozone. This value is found by an instrument called Iodometer. It measures the depolarised current between two platinum electrodes which flows through the system $I_2 - KI$ when all hyposulphite has been used up. The most important advantage of the method lies in the short time required to obtain a very accurate measurement of the ozone present. The method is suited both for needs of aeronautics and for application of rubber products. Photographs of the Iodometer are shown. 3 Czech and 5 other references.

MALY,J.; VAVRINOVA, V.

Studies on tablets. V. Effect of the size of the granule
and lubricants on tablets of simple granulate. Cesk. farm.
13 no.3:100-106 Mr'64.

1. Katedra galenicke farmacie farmaceuticke fakulty, UK,
Bratislava.

VAVROUSEK, Josef, dr. CSc.

Collection, processing, and use of feathers. Prum potravin 15
no.4:Suppl:1-16 Ap '64.

23066 -

163160 1208, 1087, 1454

Z/005/60/Q00/012/029/031
A121/A127

AUTHORS: Jedlicka, Jan, Sedláček, Vladimír, Doctor Engineer, Rejf,
Jan, and Vavrovič, Imrich, Engineer (Prague)

TITLE: None given

PERIODICAL: Vynálezy, no. 12, 1960, 13

TEXT: (40c, 3; Registered May 25, 1960; Patent Application 3389-
60). Application of insoluble anodes in electrolysis of nonferrous
metals produced from titanium or its alloys and equipped on the surface
with thin conductive layers of platinum or metals of the Pt-group,
occasionally with coatings of metals of the platinum group and gold or
silver. Thereby the relation of the individual metals in the alloys is
given by the method of use of such prepared anodes and by the ambience
choiced for the proper electrochemical process.

X

Card 1/1

HRODEK, O.; JANELE, J.; VAVROVA, V.

Atypical haemoblastoses in childhood. Neoplasma, Bratisl. 7 no.3:
305-311 '60.

1. Second Paediatric Clinic, Faculty of Paediatrics, Prague,
C.S.S.R.
(LEUKEMIA in inf & child)

HRODEK, O.; JANELE, J.; VAVROVA, V.

Our experience with the treatment of acute haemoblastoses.
Neoplasma, Bratisl. 7 no.3:312-319 '60.

1. Second Paediatric Clinic, Faculty of Paediatrics, Prague,
C.S.S.R.
(LEUKEMIA ther)

VOLNA, Grazyna; VAVROVA, Vera

Relation of asthmatic bronchitis in children under 2 years of age to the appearance of asthma. Cesk.pediat.15 no.6/7:614-616 Jl'60.

1. II. detska klinika KU v Praze, prednosta prof.MUDr. J.Houstek.
(ASTHMA in inf & child)
(BRONCHITIS in inf & child)

V. V. KUL'YAN, Zh. I.

"Bilateral, Intracapsular, Subtotal Resection of the Thyroid Gland in the Light of Electrocardiographic Data." Cand. Med. Sci., L'vov State Medical Inst., L'vov, 1954. (KL, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

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Importance of uncooked food.

P. 98 (Ministry of Health, Research Institute for Organization of Health Service)
Vol. 12, No. 7/8, July/Aug. 1957.

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.

VAVRIKOVA, JIRINA.

Dietapri kornateni tepen. [Napsaly] Jirina Vavrikova a Hana Storkova.
[2.vyd.] 1958, 27p.

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.12,
Dec.1959
Uncl.

VAVRIN, F.
TUMA, F.

Quick-hardening cement. p. 76.

STAVIVO. (Ministerstvo stavebnictvi) Praha, Czechoslovakia, Vol. 37,
no. 3, Mar. 1959.

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July 1959 unclu.

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their H-13
Application! Ceramics. Glass. Binding Materials.
Concrete.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16312

Author : Vavrin, F.; Tomek, J.

Inst : Not given

Title : Problems in the Manufacture of "Penocrete" for
Ordnance

Orig Pub : Pozam stavy, 1958, 6, No 6, 307-311

Abstract : Optimum strength of articles made of "penocrete" is
attained when 30 - 40% of cement is replaced by fine
cinder dust collected from power station stacks. Com-
pacting properties and hygroscopicity of articles are
reduced when "Hidrof PV" additives are employed. --
Ye. Stefanovskiy

Card 1/1